

CITY OF HAYWARD

AGENDA REPORT

AGENDA DATE 04/27/04

AGENDA ITEM 5

WORK SESSION ITEM

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT: Optical Traffic Signal Preemption System: Approval of Addenda and Award of Contract

RECOMMENDATION:

It is recommended that the City Council adopt the attached resolutions that:

1. Approve Addendum No. 1 and 2, which provides updated Federal Minimum Wage Rate and makes minor modifications to the plans and specifications;
2. Award the Optical Traffic Signal Preemption System contract to Mike Brown Electric Company of Cotati, California in the amount of \$176,160; and
3. Appropriate \$10,000 in the Transportation System Improvement fund to complete the project.

BACKGROUND:

On March 9, 2004, the City Council approved the plans and specification and called for bids to be received on April 6, 2004.

This project continues the installation of optical traffic signal preemption systems based on an established priority list of intersections. It consists of installing optical preemption detectors on traffic signal poles/mast arms, detector cables in existing or new conduits, and preemption phase selectors in traffic controller cabinets. The intersections are shown in the location map (see Exhibit A) and listed in the summary table (see Exhibit B), which is divided into two parts, Schedule A and Schedule B.

Schedule A includes locations that were approved for federal funding under the Hazard Elimination Safety (HES) Program. Schedule B includes additional high-priority locations that are being funded by a combination of developer mitigation funds and City funding. This contract includes a base bid for each schedule with one and three additive alternative bid items for Schedule A and Schedule B, respectively. The additive alternative bid items allow additional locations to be added to the contract, if favorable bids are received. This bid structure was established to maximize system installation within the available funding for each schedule.

During the bidding period, Addendum Nos. 1 and 2 were issued to update the Federal Minimum Wage Rate and make minor modifications to the plans and specifications to clarify plan holders questions.

On April 6, 2004, eight bids were received ranging from \$146,400 to \$217,850 for total base bid on Schedule A plus B, and from \$176,160 to \$265,850 for total base bid plus all additive items. Mike Brown Electric Company submitted the low base bid in the amount of \$146,400, which is 17.3 percent below the Engineer's Estimate of \$177,000. Mike Brown Electric Company submitted a total base bid plus additive items in the amount of \$176,160, which is 26.6 percent lower than Engineer's estimate of \$240,000.

A federal DBE program goal was established at three percent. Mike Brown Electric Company included a total of 6.1 percent DBE participation based on total base bid calculation, or five percent participation based on the total base bid plus additive items. Staff recommends awarding a contract for the total base bid plus all additive items, to take advantage of the favorable bid, to Mike Brown Electric Company.

PROJECT COSTS:

The estimated project costs are as follows:

Contract Construction	\$ 176,160
Outside Services (Install a Salvaged Preemption Relay System)	8,000
Design and Administration	29,000
Inspection and Testing	<u>26,840</u>
TOTAL	\$ 240,000

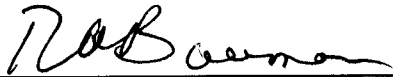
FUNDING:

The 2003-04 Capital Improvement Program includes a total of \$230,000 in the Transportation System Improvement Fund for these two projects. The City will be reimbursed \$100,000 in Federal HES funds for the locations in Schedule A. A total of \$109,000 in developer contributions is presently allocated to the locations in Schedule B. An additional appropriation of \$10,000 from the Transportation System Improvement Fund is recommended to complete this project.

SCHEDULE:

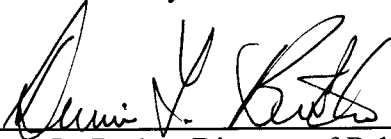
Award Contract	April 27, 2004
Begin Work	May 24, 2004
Complete Work	August 4, 2004

Prepared by:



Robert A. Bauman, Deputy Director of Public Works

Recommended by:



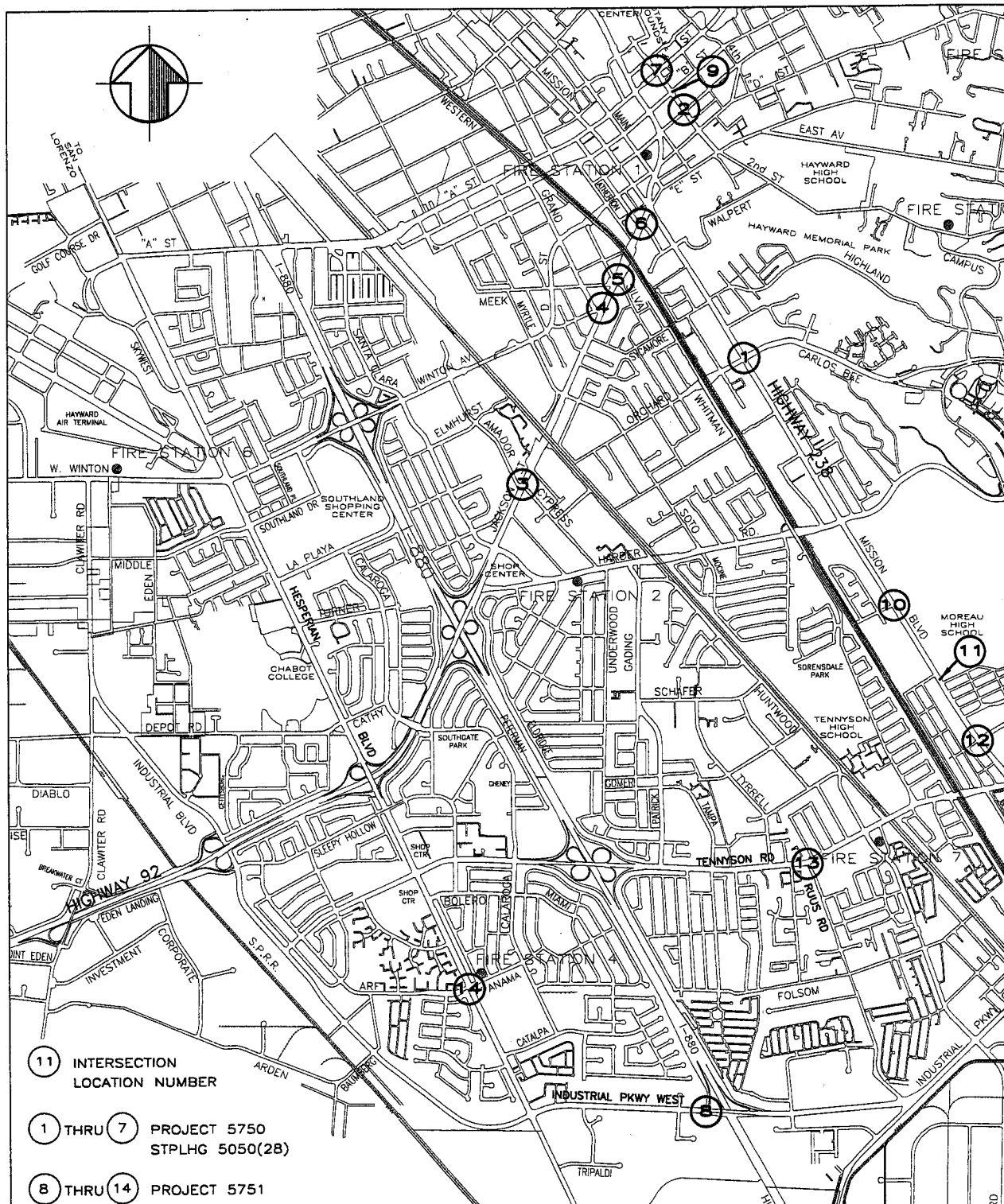
Dennis L. Butler, Director of Public Works

Approved by:



Jesús Armas, City Manager

Attachments: Exhibit A: Project Location Map
 Exhibit B: Intersection Summary Table
 Exhibit C: Summary of Bids



OPTICAL TRAFFIC SIGNAL PRE-EMPTION CITY WIDE LOCATION MAP

INTERSECTION SUMMARY TABLE

CITY OF HAYWARD

PROJECT TITLE: OPTICAL TRAFFIC SIGNAL PRE-EMPTION SYSTEM

PROJECT NO: City Project No. 5750 And 5751, Federal Program No. STPLHG-5050 (028)

SCHEDULE A -- Project No. 5750, Federal Program No. STPLHG 5050 (028)		
LOCATION NO.	LOCATION DESCRIPTION	REMARKS
1	Pre-emption at Mission Blvd/Carlos Bee Blvd	On State Highway requires Encroachment Permit
2	Pre-emption at Second St/C St	City Intersection
3	Pre-emption at Jackson St/Amador St	On State Highway requires Encroachment Permit
4	Pre-emption at Jackson St/Winton Ave/Grand St	On State Highway requires Encroachment Permit
5	Pre-emption at Jackson St/Meek Ave/Silva Ave	On State Highway requires Encroachment Permit
6	Pre-emption at Jackson St/Watkins St	On State Highway requires Encroachment Permit
7	Pre-emption at Second St/A St	City Intersection, Additive Alternative Bid Item

SCHEDULE B -- Project No. 5751		
LOCATION NO.	LOCATION DESCRIPTION	REMARKS
8	Pre-emption at Industrial Blvd/I-880	On State Highway requires Encroachment Permit
9	Pre-emption at Second St/B St	City Intersection
10	Pre-emption at Mission Blvd/Sorenson Rd	On State Highway requires Encroachment Permit
11	Pre-emption at Mission Blvd/Jefferson St/Calhoun St	On State Highway requires Encroachment Permit
12	Pre-emption at Mission Blvd/Hancock St	On State Highway requires Encroachment Permit, Additive Alternative bid item.
13	Pre-emption at W. Tennyson Rd/Ruus Rd	City Intersection, Additive Alternative Bid Item
14	Pre-emption at Hesperian Blvd/Panama St	City Intersection, Additive Alternative Bid Item

CITY OF HAYWARD
 OPTICAL TRAFFIC SIGNAL PREEMPTION SYSTEM
 PROJECT NO. 5750 AND 5751; FEDERAL PROGRAM NO.: STPLHG-5050(028)
 BIDS OPENED: APRIL 6, 2004

(NUMBER OF BIDS RECEIVED - 8)

AWARDED

Page 1 of 9

BID SUMMARY				ENGINEER'S ESTIMATE		MIKE BROWN ELECTRIC CO. 561-A MERCHANTILE DRIVE COTATI CA 94931-3040 (707) 792-8100 PHONE (707) 792-8110 FAX		STEINY AND COMPANY, INC. 27 SHERIDAN STREET VALLEJO CA 94590 (707) 552-6900 PHONE (707) 552-7705 FAX		ROSENDIN ELECTRIC, INC. 880 N. MABURY ROAD SAN JOSE CA 95133 (408) 534-2848 PHONE (408) 295-6609 FAX	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
SCHEDULE A BASE BID											
1	1	LS	PRE-EMPTION AT MISSION BOULEVARD-CARLOS BEE BOULEVARD	12,500.00	12,500.00	14,000.00	14,000.00	15,000.00	15,000.00	9,000.00	9,000.00
2	1	LS	PRE-EMPTION AT SECOND STREET-C STREET	12,000.00	12,000.00	9,500.00	9,500.00	12,000.00	12,000.00	8,400.00	8,400.00
3	1	LS	PRE-EMPTION AT JACKSON STREET- AMADOR STREET	12,500.00	12,500.00	15,500.00	15,500.00	15,000.00	15,000.00	8,200.00	8,200.00
4	1	LS	PRE-EMPTION AT JACKSON STREET- WINTON AVENUE-GRAND STREET	12,500.00	12,500.00	15,500.00	15,500.00 *	11,000.00	11,000.00	9,800.00	9,800.00
5	1	LS	PRE-EMPTION AT JACKSON STREET- MEEK AVENUE	12,000.00	12,000.00	8,000.00	8,000.00	12,000.00	12,000.00	4,850.00	4,850.00
6	1	LS	PRE-EMPTION AT JACKSON STREET- WATKINS STREET	11,650.00	11,650.00	9,250.00	9,250.00	11,000.00	11,000.00	8,750.00	8,750.00
7	1	LS	TRAFFIC CONTROL FOR LANE CLOSURE	5,000.00	5,000.00	2,400.00	2,400.00	4,000.00	4,000.00	10,800.00	10,800.00
8	595	FT	2" CONDUIT INSTALLATION	30.00	17,850.00	20.00	11,900.00	21.85	13,000.00 *	68.00	40,460.00
9	1	PB	ADMINISTRATIVE CHANGE ORDERS	9,000.00	9,000.00	9,000.00	9,000.00	9,000.00	9,000.00	9,000.00	9,000.00
ADD ALTERNATIVE NO. 1											
10	1	LS	PRE-EMPTION AT SECOND STREET-A STREET	14,250.00	14,250.00	10,500.00	10,500.00	12,000.00	12,000.00	9,950.00	9,950.00
SCHEDULE A TOTAL WITHOUT ALTERNATIVE					105,000.00		95,050.00		102,000.00		109,260.00

Exhibit C - 1 of 9

CITY OF HAYWARD
 OPTICAL TRAFFIC SIGNAL PREEMPTION SYSTEM
 PROJECT NO. 5750 AND 5751; FEDERAL PROGRAM NO.: STPLHG-5050(028)
 BIDS OPENED: APRIL 6, 2004

(NUMBER OF BIDS RECEIVED - 8)

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Page 2 of 9

BID SUMMARY				ENGINEER'S ESTIMATE		MIKE BROWN ELECTRIC CO. 561-A MERCHANTILE DRIVE COTATI CA 94931-3040 (707) 792-8100 PHONE (707) 792-8110 FAX		STEINY AND COMPANY, INC. 27 SHERIDAN STREET VALLEJO CA 94590 (707) 552-6900 PHONE (707) 552-7705 FAX		ROSENDIN ELECTRIC, INC. 880 N. MABURY ROAD SAN JOSE CA 95133 (408) 534-2848 PHONE (408) 295-6609 FAX	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
			SCHEDULE A TOTAL WITH ALTERNATIVE		119,250.00		105,550.00		114,000.00		119,210.00
			SCHEDULE B BASE BID								
11	1	LS	PRE-EMPTION AT INDUSTRIAL BOULEVARD-I-880	13,000.00	13,000.00	12,500.00	12,500.00	15,000.00	15,000.00	8,850.00	8,850.00
12	1	LS	PRE-EMPTION AT SECOND STREET-B STREET	12,500.00	12,500.00	10,500.00	10,500.00	11,000.00	11,000.00	7,950.00	7,950.00
13	1	LS	PRE-EMPTION AT MISSION BOULEVARD-SORENSEN ROAD	13,000.00	13,000.00	5,250.00	5,250.00	8,000.00	8,000.00	8,250.00	8,250.00
14	1	LS	PRE-EMPTION AT MISSION BOULEVARD-JEFFERSON STREET-CALHOUN STREET	12,500.00	12,500.00	7,600.00	7,600.00	12,000.00	12,000.00	5,300.00	5,300.00
15	1	LS	TRAFFIC CONTROL FOR LANE CLOSURE	5,000.00	5,000.00	2,500.00	2,500.00	4,000.00	4,000.00	8,740.00	8,740.00
16	300	FT	2" CONDUIT INSTALLATION	30.00	9,000.00	20.00	6,000.00	8.33	2,500.00 *	64.00	19,200.00
17	1	PB	ADMINISTRATIVE CHANGE ORDERS	7,000.00	7,000.00	7,000.00	7,000.00	7,000.00	7,000.00	7,000.00	7,000.00
			ADD ALTERNATIVE NO. 2								
18	1	LS	PRE-EMPTION AT MISSION BOULEVARD-HANCOCK STREET	16,250.00	16,250.00	5,130.00	5,130.00	11,000.00	11,000.00	4,840.00	4,840.00
			ADD ALTERNATIVE NO. 3								
19	1	LS	PRE-EMPTION AT TENNYSON ROAD-RUUS ROAD	16,250.00	16,250.00	9,000.00	9,000.00	11,000.00	11,000.00	9,050.00	9,050.00
			ADD ALTERNATIVE NO. 4								

CITY OF HAYWARD
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(NUMBER OF BIDS RECEIVED - 8)

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Page 3 of 9

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ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
20	1	LS	PRE-EMPTION AT HESPERIAN BOULEVARD-PANAMA STREET	16,250.00	16,250.00	5,130.00	5,130.00	11,000.00	11,000.00	4,850.00	4,850.00
SCHEDULE B TOTAL WITHOUT ALTERNATIVES				72,000.00		51,350.00		59,500.00		65,290.00	
SCHEDULE B TOTAL WITH ALTERNATIVES				120,750.00		70,610.00		92,500.00		84,030.00	
TOTAL BASE BID (SCHEDULE A BASE BID + SCHEDULE B BASE BID)				177,000.00		146,400.00		161,500.00		174,550.00	

* TOTAL DIFFERENT THAN
SUBMITTED BID

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Page 4 of 9

BID SUMMARY				ENGINEER'S ESTIMATE		REPUBLIC ELECTRIC 7120 REDWOOD BLVD. NOVATO CA 94945 (415) 898-8897 PHONE (415) 898-9477 FAX		ST. FRANCIS ELECTRIC 601 ALADDIN AVENUE SAN LEANDRO CA 94577 (510) 614-5300 PHONE (510) 614-5311 FAX		RICHARD A HEAPS ELECTRICAL CONTRACTOR 8909 FLORIN ROAD SACRAMENTO CA 95829 (916) 386-8857 PHONE (916) 386-1354 FAX	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
			SCHEDULE A BASE BID								
1	1	LS	PRE-EMPTION AT MISSION BOULEVARD-CARLOS BEE BOULEVARD	12,500.00	12,500.00	10,400.00	10,400.00	21,640.00	21,640.00	13,186.00	13,186.00
2	1	LS	PRE-EMPTION AT SECOND STREET-C STREET	12,000.00	12,000.00	9,100.00	9,100.00	14,775.00	14,775.00	12,492.00	12,492.00
3	1	LS	PRE-EMPTION AT JACKSON STREET- AMADOR STREET	12,500.00	12,500.00	9,800.00	9,800.00	18,340.00	18,340.00	11,966.00	11,966.00
4	1	LS	PRE-EMPTION AT JACKSON STREET- WINTON AVENUE-GRAND STREET	12,500.00	12,500.00	11,200.00	11,200.00	21,735.00	21,735.00	13,712.00	13,712.00
5	1	LS	PRE-EMPTION AT JACKSON STREET- MEEK AVENUE	12,000.00	12,000.00	5,400.00	5,400.00	12,450.00	12,450.00	9,690.00	9,690.00
6	1	LS	PRE-EMPTION AT JACKSON STREET- WATKINS STREET	11,650.00	11,650.00	10,500.00	10,500.00	15,495.00	15,495.00	13,133.00	13,133.00
7	1	LS	TRAFFIC CONTROL FOR LANE CLOSURE	5,000.00	5,000.00	1,200.00	1,200.00	2,500.00	2,500.00	12,654.00	12,654.00
8	595	FT	2" CONDUIT INSTALLATION	30.00	17,850.00	84.00	49,980.00	10.50	6,247.50	51.80	30,821.00
9	1	PB	ADMINISTRATIVE CHANGE ORDERS	9,000.00	9,000.00	9,000.00	9,000.00	9,000.00	9,000.00	9,000.00	9,000.00
			ADD ALTERNATIVE NO. 1								
10	1	LS	PRE-EMPTION AT SECOND STREET-A STREET	14,250.00	14,250.00	11,200.00	11,200.00	16,890.00	16,890.00	15,243.00	15,243.00
			SCHEDULE A TOTAL WITHOUT ALTERNATIVE		105,000.00		116,580.00		122,182.50		126,654.00

Exhibit C - 4 of 9

CITY OF HAYWARD
 OPTICAL TRAFFIC SIGNAL PREEMPTION SYSTEM
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Page 5 of 9

BID SUMMARY				ENGINEER'S ESTIMATE		REPUBLIC ELECTRIC 7120 REDWOOD BLVD. NOVATO CA 94945 (415) 898-8897 PHONE (415) 898-9477 FAX		ST. FRANCIS ELECTRIC 601 ALADDIN AVENUE SAN LEANDRO CA 94577 (510) 614-5300 PHONE (510) 614-5311 FAX		RICHARD A HEAPS ELECTRICAL CONTRACTOR 8909 FLORIN ROAD SACRAMENTO CA 95829 (916) 386-8857 PHONE (916) 386-1354 FAX	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
			SCHEDULE A TOTAL WITH ALTERNATIVE		119,250.00		127,780.00		139,072.50		141,897.00
			SCHEDULE B BASE BID								
11	1	LS	PRE-EMPTION AT INDUSTRIAL BOULEVARD-I-880	13,000.00	13,000.00	10,400.00	10,400.00	17,845.00	17,845.00	13,102.00	13,102.00
12	1	LS	PRE-EMPTION AT SECOND STREET-B STREET	12,500.00	12,500.00	9,000.00	9,000.00	15,770.00	15,770.00	11,973.00	11,973.00
13	1	LS	PRE-EMPTION AT MISSION BOULEVARD-SORENSEN ROAD	13,000.00	13,000.00	5,400.00	5,400.00	10,905.00	10,905.00	9,212.00	9,212.00
14	1	LS	PRE-EMPTION AT MISSION BOULEVARD-JEFFERSON STREET-CALHOUN STREET	12,500.00	12,500.00	5,400.00	5,400.00	12,645.00	12,645.00	10,318.00	10,318.00
15	1	LS	TRAFFIC CONTROL FOR LANE CLOSURE	5,000.00	5,000.00	1,200.00	1,200.00	2,500.00	2,500.00	6,296.00	6,296.00
16	300	FT	2" CONDUIT INSTALLATION	30.00	9,000.00	79.00	23,700.00	10.50	3,150.00	43.75	13,125.00
17	1	PB	ADMINISTRATIVE CHANGE ORDERS	7,000.00	7,000.00	7,000.00	7,000.00	7,000.00	7,000.00	7,000.00	7,000.00
			ADD ALTERNATIVE NO. 2								
18	1	LS	PRE-EMPTION AT MISSION BOULEVARD-HANCOCK STREET	16,250.00	16,250.00	5,400.00	5,400.00	11,175.00	11,175.00	10,825.00	10,825.00
			ADD ALTERNATIVE NO. 3								
19	1	LS	PRE-EMPTION AT TENNYSON ROAD-RUUS ROAD	16,250.00	16,250.00	9,100.00	9,100.00	14,840.00	14,840.00	13,763.00	13,763.00
			ADD ALTERNATIVE NO. 4								

Exhibit C - 5 of 9

CITY OF HAYWARD
 OPTICAL TRAFFIC SIGNAL PREEMPTION SYSTEM
 PROJECT NO. 5750 AND 5751; FEDERAL PROGRAM NO.: STPLHG-5050(028)
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Page 6 of 9

BID SUMMARY				ENGINEER'S ESTIMATE		REPUBLIC ELECTRIC 7120 REDWOOD BLVD. NOVATO CA 94945 (415) 898-8897 PHONE (415) 898-9477 FAX		ST. FRANCIS ELECTRIC 601 ALADDIN AVENUE SAN LEANDRO CA 94577 (510) 614-5300 PHONE (510) 614-5311 FAX		RICHARD A HEAPS ELECTRICAL CONTRACTOR 8909 FLORIN ROAD SACRAMENTO CA 95829 (916) 386-8857 PHONE (916) 386-1354 FAX	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
20	1	LS	PRE-EMPTION AT HESPERIAN BOULEVARD-PANAMA STREET	16,250.00	16,250.00	5,400.00	5,400.00	11,115.00	11,115.00	10,276.00	10,276.00
SCHEDULE B TOTAL WITHOUT ALTERNATIVES				72,000.00		62,100.00		69,815.00		71,026.00	
SCHEDULE B TOTAL WITH ALTERNATIVES				120,750.00		82,000.00		106,945.00		105,890.00	
TOTAL BASE BID (SCHEDULE A BASE BID + SCHEDULE B BASE BID)				177,000.00		178,680.00		191,997.50		197,680.00	

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Page 7 of 9

Exhibit C - 7 of 9

BID SUMMARY				ENGINEER'S ESTIMATE		TENNYSON ELECTRIC, INC. 7275 NATIONAL DRIVE LIVERMORE CA 94550 (925) 606-1038 PHONE (925) 606-7656 FAX		W.BRADLEY ELECTRIC, INC. 90 HILL ROAD NOVATO CA 94945 (415) 898-1400 PHONE (415) 898-5333 FAX	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
			SCHEDULE A BASE BID						
1	1	LS	PRE-EMPTION AT MISSION BOULEVARD-CARLOS BEE BOULEVARD	12,500.00	12,500.00	10,900.00	10,900.00	14,000.00	14,000.00
2	1	LS	PRE-EMPTION AT SECOND STREET-C STREET	12,000.00	12,000.00	11,700.00	11,700.00	14,000.00	14,000.00
3	1	LS	PRE-EMPTION AT JACKSON STREET- AMADOR STREET	12,500.00	12,500.00	10,900.00	10,900.00	14,000.00	14,000.00
4	1	LS	PRE-EMPTION AT JACKSON STREET- WINTON AVENUE-GRAND STREET	12,500.00	12,500.00	11,700.00	11,700.00	15,000.00	15,000.00
5	1	LS	PRE-EMPTION AT JACKSON STREET- MEEK AVENUE	12,000.00	12,000.00	10,900.00	10,900.00	11,000.00	11,000.00
6	1	LS	PRE-EMPTION AT JACKSON STREET- WATKINS STREET	11,650.00	11,650.00	10,800.00	10,800.00	14,000.00	14,000.00
7	1	LS	TRAFFIC CONTROL FOR LANE CLOSURE	5,000.00	5,000.00	8,700.00	8,700.00	27,000.00	27,000.00
8	595	FT	2" CONDUIT INSTALLATION	30.00	17,850.00	65.00	38,675.00	30.00	17,850.00
9	1	PB	ADMINISTRATIVE CHANGE ORDERS	9,000.00	9,000.00	9,000.00	9,000.00	9,000.00	9,000.00
			ADD ALTERNATIVE NO. 1						
10	1	LS	PRE-EMPTION AT SECOND STREET-A STREET	14,250.00	14,250.00	12,750.00	12,750.00	14,000.00	14,000.00
	SCHEDULE A TOTAL WITHOUT ALTERNATIVE				105,000.00		123,275.00		135,850.00

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Page 8 of 9

BID SUMMARY				ENGINEER'S ESTIMATE		TENNYSON ELECTRIC, INC. 7275 NATIONAL DRIVE LIVERMORE CA 94550 (925) 606-1038 PHONE (925) 606-7656 FAX		W.BRADLEY ELECTRIC, INC. 90 HILL ROAD NOVATO CA 94945 (415) 898-1400 PHONE (415) 898-5333 FAX	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
			SCHEDULE A TOTAL WITH ALTERATIVE		119,250.00		136,025.00		149,850.00
			SCHEDULE B BASE BID						
11	1	LS	PRE-EMPTION AT INDUSTRIAL BOULEVARD-I-880	13,000.00	13,000.00	10,900.00	10,900.00	14,000.00	14,000.00
12	1	LS	PRE-EMPTION AT SECOND STREET-B STREET	12,500.00	12,500.00	10,900.00	10,900.00	14,000.00	14,000.00
13	1	LS	PRE-EMPTION AT MISSION BOULEVARD-SORENSEN ROAD	13,000.00	13,000.00	10,900.00	10,900.00	11,000.00	11,000.00
14	1	LS	PRE-EMPTION AT MISSION BOULEVARD-JEFFERSON STREET-CALHOUN STREET	12,500.00	12,500.00	10,900.00	10,900.00	12,000.00	12,000.00
15	1	LS	TRAFFIC CONTROL FOR LANE CLOSURE	5,000.00	5,000.00	6,350.00	6,350.00	15,000.00	15,000.00
16	300	FT	2" CONDUIT INSTALLATION	30.00	9,000.00	65.00	19,500.00	30.00	9,000.00
17	1	PB	ADMINISTRATIVE CHANGE ORDERS	7,000.00	7,000.00	7,000.00	7,000.00	7,000.00	7,000.00
			ADD ALTERNATIVE NO. 2						
18	1	LS	PRE-EMPTION AT MISSION BOULEVARD-HANCOCK STREET	16,250.00	16,250.00	12,900.00	12,900.00	11,000.00	11,000.00
			ADD ALTERNATIVE NO. 3						
19	1	LS	PRE-EMPTION AT TENNYSON ROAD-RUUS ROAD	16,250.00	16,250.00	12,900.00	12,900.00	12,000.00	12,000.00
			ADD ALTERNATIVE NO. 4						

Exhibit C - 8 of 9

CITY OF HAYWARD
 OPTICAL TRAFFIC SIGNAL PREEMPTION SYSTEM
 PROJECT NO. 5750 AND 5751; FEDERAL PROGRAM NO.: STPLHG-5050(028)
 BIDS OPENED: APRIL 6, 2004

(NUMBER OF BIDS RECEIVED - 8)

Page 9 of 9

BID SUMMARY				ENGINEER'S ESTIMATE		TENNYSON ELECTRIC, INC.		W.BRADLEY ELECTRIC, INC.	
						7275 NATIONAL DRIVE LIVERMORE CA 94550 (925) 606-1038 PHONE (925) 606-7656 FAX		90 HILL ROAD NOVATO CA 94945 (415) 898-1400 PHONE (415) 898-5333 FAX	
ITEM	QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL	UNIT PRICE	TOTAL
20	1	LS	PRE-EMPTION AT HESPERIAN BOULEVARD-PANAMA STREET	16,250.00	16,250.00	12,900.00	12,900.00	11,000.00	11,000.00
SCHEDULE B TOTAL WITHOUT ALTERNATIVES				72,000.00		76,450.00		82,000.00	
SCHEDULE B TOTAL WITH ALTERNATIVES				120,750.00		115,150.00		116,000.00	
TOTAL BASE BID (SCHEDULE A BASE BID + SCHEDULE B BASE BID)				177,000.00		199,725.00		217,850.00	

DRAFT NJH
4/14/04

HAYWARD CITY COUNCIL

RESOLUTION NO. _____

Introduced by Council Member _____

RESOLUTION APPROVING ADDENDA NOS. 1 AND 2 AND
AWARDING CONTRACT TO MIKE BROWN ELECTRIC
COMPANY FOR THE OPTICAL TRAFFIC SIGNAL
PREEMPTION SYSTEM PROJECT, PROJECT NOS. 5750
AND 5751

WHEREAS, on March 9, 2004, the City Council approved the plans and specifications for the Optical Traffic Signal Preemption System Project, Project Nos. 5750 and 5751, and called for bids to be received on April 6, 2004; and

WHEREAS, during the bidding period, Addenda Nos. 1 and 2 were issued to provide an updated Federal Minimum Wage Rate and make minor modifications to the plans and specifications; and

WHEREAS, on April 6, 2004, the City Council received eight bids ranging from \$146,400 to \$217,850 for total base bid on Schedule A plus B, and from \$176,160 to \$265,850 for total base bid plus all additive items; Mike Brown Electric Company submitted the low base bid in the amount of \$146,400, and the total base bid plus all additive items in the amount of \$176,160, which is 26.6 percent below the Engineer's estimate of \$240,000.

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Hayward that Addenda Nos. 1 and 2 are hereby approved and adopted as part of the plans and specifications for the project.

BE IT FURTHER RESOLVED that Mike Brown Electric Company is hereby awarded the contract for the Optical Traffic Signal Preemption System Project, Project Nos. 5750 and 5751 in an amount not to exceed \$176,160, in accordance with the plans and specifications adopted therefor and on file in the office of the City Clerk of the City of Hayward, at and for the price named and stated in the bid of the hereinabove specified bidder, and all other bids are hereby rejected.

BE IT FURTHER RESOLVED that the City Manager is hereby authorized and directed to execute the contract with Mike Brown Electric Company in the name of and for and on behalf of the City of Hayward, in a form to be approved by the City Attorney.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 2004

ADOPTED BY THE FOLLOWING VOTE:

AYES: COUNCIL MEMBERS:

MAYOR:

NOES: COUNCIL MEMBERS:

ABSTAIN: COUNCIL MEMBERS:

ABSENT: COUNCIL MEMBERS:

ATTEST: _____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward

DRAFT 1/4
2/2/04

HAYWARD CITY COUNCIL

RESOLUTION NO. 04-

Introduced by Council Member _____

RESOLUTION AMENDING RESOLUTION 03-094, AS
AMENDED, THE BUDGET RESOLUTION FOR
CAPITAL IMPROVEMENT PROJECTS FOR FISCAL
YEAR 2003-04, RELATING TO AN APPROPRIATION
OF FUNDS FROM THE TRANSPORTATION SYSTEM
IMPROVEMENT FUND TO COMPLETE THE OPTICAL
TRAFFIC SIGNAL PREEMPTION-SOUTH OF 92
PROJECT, PROJECT NO. 5751

BE IT RESOLVED by the City Council of the City of Hayward that
Resolution No. 03-094, as amended, the Budget Resolution for Capital Projects for fiscal
year 2003-04, is hereby amended by approving an appropriation of \$10,000 from the
Transportation System Improvement Fund (Fund 420) to complete the Optical Traffic
Signal Preemption-South of 92 Project, Project No. 5751.

IN COUNCIL, HAYWARD, CALIFORNIA _____, 2004

ADOPTED BY THE FOLLOWING VOTE:

AYES: COUNCIL MEMBERS:

MAYOR:

NOES: COUNCIL MEMBERS:

ABSTAIN: COUNCIL MEMBERS:

ABSENT: COUNCIL MEMBERS:

ATTEST: _____
City Clerk of the City of Hayward

APPROVED AS TO FORM:

City Attorney of the City of Hayward